IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

DeRobertis et al.

Examiner:

Unknown

Serial No .:

09/903,325

Group Art Unit:

1647

Filed:

July 11, 2001

Docket:

510015-257

Due Date:

N/A

Title:

ENDODERM, CARDIAC AND NEURAL INDUCING FACTORS - MURINE FRAZZLED

(FRZB-1) PROTEIN

CERTIFICATE UNDER 37 CFR 1.8

I hereby certify that this correspondence and identified enclosures are being deposited with the United States Postal Service, first class mail, postage prepaid, under 37 C.F.R. 1.8 on the date indicated, and is addressed to the Commissioner for Patents, Washington, D.C. 20231 on March 29, 2002.

Commissioner for Patents Washington, D.C. 20231

Sir:

RECEIVED

APR 1 6 2002

We are transmitting herewith the attached:

TECH CENTER 1600/2900

Transmittal Sheet in duplicate containing Certificate of Mailing

Information Disclosure Statement

PTO Form 1449

Return postcard

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers, if appropriate. Please charge any additional fees or credit overpayment to Deposit Account No. 16-2230. A

OPPENHEIMER WOLFF & DONNELLY LLP 2029 Century Park East, 38th Floor Los Angeles, CA 90067-3024

(310) 788-5000

Reg. No.: 45,981

SJL:kw





DM7 5-2-02

APR 1 6 2002

TECH CENTER 1600/2900

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

De Robertis, et al.

Examiner:

Unknown

Serial No.

09/903,325

Group Art Unit:

1647

Filed:

July 11, 2001

Docket No.

510015-257

Title:

ENDODERM, CARDIAC AND NEURAL INDUCING FACTORS -

MURINE FRAZZLED (FRZB-1) PROTEIN

CERTIFICATE UNDER 37 CFR 1.8

I hereby certify that this correspondence and identified enclosures are being deposited with the United States Postal Service, first class mail, postage prepaid, under 37 C.F.R. 1.8 on the date indicated, and is addressed to the Commissioner for Patents, Washington, D.C. 20231 on March 29, 2002.

INFORMATION DISCLOSURE STATEMENT (37 C.F.R. §1.97(b))

Commissioner for Patents Washington, D.C. 20231

Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted before the issuance of an office action in the above-identified application. Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449.

In accordance with 37 C.F.R. §1.98(d)(1) and (2) copies of each document cited in the IDS is not submitted. Rather, the Applicant cites to all references submitted or cited in application numbers: 08/878,474 & 09/552,988 and for the Examiner's review.

S/N 09/903,325

No representation is made that a reference is "prior art" within the meaning of 35

U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or

otherwise, to establish that the reference(s) are not "prior art." Moreover, Applicants do not

represent that a reference has been thoroughly reviewed or that any relevance of any portion of a

reference is intended.

Consideration of the items listed is respectfully requested. Pursuant to the

provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form

1449, marked as being considered and initialed by the Examiner, to the undersigned with the

next official communication.

Please charge any additional fees or credit any overpayment to Deposit Account

No. 16-2230.

Respectfully submitted,

Date:

MARCH 29

Reg. No. 45,981

OPPENHEIMER WOLFF & DONNELLY LLP

2029 Century Park East

38th Floor

Los Angeles, CA 90067-3024

Phone: (310) 788-5000

FAX: (310) 788-5100

2/2

	ORM 1449*					Sheet 1 of 1					
61, E.	INFORMATION DISCLOSURE STATEMENT				Docket Number: 510015-257			Application Number: 09/90 3.2.3			
IN AN APPLICATION					Applicant: De Robertis et al.						
VBK U. 2	(Use several sheets if necessary)			Filing Date: July 11, 2001			Group Art Unit: 1647				
EXAMINER									$-\frac{\mathcal{O}}{\mathcal{O}}$		
TRADE	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		U.S. PATENT DOCUM	IENTS					₩ ₩		
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME				CLASS FILE		VC DATE		
	5,457,048	10/10/1995	Pasquale et al.					FILING DATE IF APPROPRIAT			
	DOCUMENT NO.	DATE	FOREIGN PATENT DOC	UMENTS							
•	1	DATE	COUNTRY		CLASS	SUBCLASS		TRANSLATION			
	94/05791								YES NO		
		03/17/1994	PCT								
	94/05800	03/17/1994	PCT								
	Bouwmeester et al., "Cerben 595-601 (15 August 1996)	HER DOCUME	NTS (Including Author, Title	, Date, Per	tinent Pages, I	Etc.)					
	Christian et al., "Interactions Xenopus," Genes & Developm Gribskov et al, "[9] Profile A: Krasnow et al., "dishevelled is Leyns et al., "Frzb-1 Is a Secr	nalysis," Methods	of Enzymology, 183, pp. 146 the frizzled signaling pathwa	5-159 (1990 v in <i>Drosov</i>	nhila " Davale		400				
	, a secreted	mazieu-relateu pr	f Wnt Signaling Expressed ir otein that inhibits Wnt activi	the Spema	nn Organizer	," <i>Cell</i> , 88, pp	p. 747-75	6 (March 21, 19	997)		
	Moon et al., "Structural Relate	ed Receptors and a	otein that inhibits Wnt activity Antagonists Compete for Sec	ty," Mecha	nisms of Deve	" Cell, 88, pp	p. 747-75 pp. 109-1	6 (March 21, 19 125 (1997).			
	Moon et al., "Structural Relate Sano et al., "Protocadherins: a	ed Receptors and a	otein that inhibits Wnt activity Antagonists Compete for Section adherin-related molecules in a	ty," Mecha	nisms of Deve	"Cell, 88, pp. lopment, 63, 7, 88, pp. 725	p. 747-75 pp. 109-1 -728 (Ma	6 (March 21, 19 125 (1997). rch 21, 1997)			
	Moon et al., "Structural Relate Sano et al., "Protocadherins: a Sasai et al., "Xenopus <i>chordin</i> : 1994)	ed Receptors and A large family of ca : A Novel Dorsali	otein that inhibits Wnt activi Antagonists Compete for Sec adherin-related molecules in a zing Factor Activated by Org	ty," Mechal reted Wnt l central nerv	nisms of Deve Ligands," Cell ous system,"	" Cell, 88, pp. lopment, 63, 88, pp. 725. The EMBO Joox Genes." Co	p. 747-75 pp. 109-1 -728 (Ma ournal, 1	6 (March 21, 19 125 (1997). rch 21, 1997) 2:6, pp. 2249-2;	256 (1993		
	Moon et al., "Structural Relate Sano et al., "Protocadherins: a Sasai et al., "Xenopus <i>chordin</i> : 1994) Sasai et al., "Regulation of neu	ad Receptors and A large family of cate A Novel Dorsali and induction by the same and induction	Antagonists Compete for Sec adherin-related molecules in a zing Factor Activated by Org he Chd and Bmp-4 antagonis	ty," Mechal reted Wnt l central nerv ganizer-Spe	ann Organizer nisms of Deve Ligands," Celi ous system," cific Homeob	" Cell, 88, pp. 125. The EMBO Jox Genes," C	p. 747-75 pp. 109-1 -728 (Ma fournal, 1 Tell, 79, p	6 (March 21, 19 125 (1997). rch 21, 1997) 2:6, pp. 2249-2; p. 779-790 (Dec	256 (1993 cember 2,		
	Moon et al., "Structural Relate Sano et al., "Protocadherins: a Sasai et al., "Xenopus <i>chordin</i> : 1994) Sasai et al., "Regulation of neu	ad Receptors and A large family of cate A Novel Dorsali and induction by the same and induction	Antagonists Compete for Sec adherin-related molecules in a zing Factor Activated by Org he Chd and Bmp-4 antagonis	ty," Mechal reted Wnt l central nerv ganizer-Spe	ann Organizer nisms of Deve Ligands," Celi ous system," cific Homeob	" Cell, 88, pp. 125. The EMBO Jox Genes," C	p. 747-75 pp. 109-1 -728 (Ma fournal, 1 Tell, 79, p	6 (March 21, 19 125 (1997). rch 21, 1997) 2:6, pp. 2249-2; p. 779-790 (Dec	256 (1993) cember 2,		
	Moon et al., "Structural Relate Sano et al., "Protocadherins: a Sasai et al., "Xenopus <i>chordin</i> : 1994) Sasai et al., "Regulation of neu Sokol et al., "A Mouse Macrop	d Receptors and A large family of ca A Novel Dorsali ral induction by the	Antagonists Compete for Sec adherin-related molecules in a zing Factor Activated by Org the Chd and Bmp-4 antagonis	ty," Mecha reted Wnt l central nerv ganizer-Spe tic patternia	nisms of Deve Ligands," Celi Yous system," cific Homeob ng signals in J	"Cell, 88, pp. lopment, 63, l., 88, pp. 725. The EMBO Joox Genes," Compute, Nature	p. 747-75 pp. 109-1 -728 (Ma ournal, 1 'ell, 79, pp ure, 376,	6 (March 21, 19 125 (1997). rch 21, 1997) 2:6, pp. 2249-2; p. 779-790 (Dec	256 (1993) cember 2,		
	Moon et al., "Structural Relate Sano et al., "Protocadherins: a Sasai et al., "Xenopus <i>chordin</i> : 1994) Sasai et al., "Regulation of neu Sokol et al., "A Mouse Macrop Smith et al., "Injected Xwnt-8 I (November 15, 1991)	d Receptors and A large family of ca A Novel Dorsali ral induction by the hage Factor induc-	Antagonists Compete for Sec adherin-related molecules in a zing Factor Activated by Org the Chd and Bmp-4 antagonis ces Head Structures and Orga in Xenopus Embryos to Prome	ty," Mecha- reted Wnt l central nerv ganizer-Spe tic patternia unizes a Boo ote Formati	ann Organizer nisms of Deve Ligands," Celi rous system," cific Homeob ng signals in Xer ion of a Veget	"Cell, 88, pp. lopment, 63, l, 88, pp. 725. The EMBO Jo ox Genes," Concepts, Natural Popus, Science al Dorsalizini	p. 747-75 pp. 109-1 pp. 109-1 reg (Ma) pournal, 1 rell, 79, pp pre, 376, pp pre, 249, pp g Center of the present t	6 (March 21, 19 125 (1997). 125 (1997). 126, pp. 2249-2; 126, pp. 2249-2; 127 pp. 779-790 (Decompp. 333-336 (27) 127 pp. 561-564 (3 Ai	256 (1993) cember 2, July 1995 ugust 1996		
	Moon et al., "Structural Relate Sano et al., "Protocadherins: a Sasai et al., "Xenopus chordin: 1994) Sasai et al., "Regulation of neu Sokol et al., "A Mouse Macrop Smith et al., "Injected Xwnt-8 I (November 15, 1991) Smith et al., "Expression Clonin 840 (September 4, 1992)	large family of ca A Novel Dorsali ral induction by the hage Factor induc- RNA Acts Early in	Antagonists Compete for Sec Antagonists Compete for Sec adherin-related molecules in a zing Factor Activated by Org the Chd and Bmp-4 antagonis ces Head Structures and Orga in Xenopus Embryos to Prome New Dorsalizing Factor Loca	ty," Mecha- reted Wnt l central nerv ganizer-Spe tic patternia unizes a Boo ote Formati	ann Organizer nisms of Deve Ligands," Celi rous system," cific Homeob ng signals in X dy Axis in Xee ton of a Veget Spemann Org	"Cell, 88, pp. lopment, 63, l, 88, pp. 725. The EMBO Jo ox Genes," Concepts, Natural Dorsalizing ganizer in Xei	p. 747-75 pp. 109-1 -728 (Malournal, 1 cell, 79, pp. ure, 376, p. g Center,	6 (March 21, 19 125 (1997). 125 (1997). 12:6, pp. 2249-2; 12:6, pp. 2249-2; 12:6, pp. 333-336 (27 12:6, pp. 333-336 (27 13:70 (1):70 (1	256 (1993) cember 2, July 1995 ugust 1990 533-765		
	Moon et al., "Structural Relate Sano et al., "Protocadherins: a Sasai et al., "Xenopus chordin: 1994) Sasai et al., "Regulation of neu Sokol et al., "A Mouse Macrop Smith et al., "Injected Xwnt-8 I (November 15, 1991) Smith et al., "Expression Clonin 840 (September 4, 1992)	large family of ca A Novel Dorsali ral induction by the hage Factor induc- RNA Acts Early in	Antagonists Compete for Sec Antagonists Compete for Sec adherin-related molecules in a zing Factor Activated by Org the Chd and Bmp-4 antagonis ces Head Structures and Orga in Xenopus Embryos to Prome New Dorsalizing Factor Loca	ty," Mecha- reted Wnt l central nerv ganizer-Spe tic patternia unizes a Boo ote Formati	ann Organizer nisms of Deve Ligands," Celi rous system," cific Homeob ng signals in X dy Axis in Xee ton of a Veget Spemann Org	"Cell, 88, pp. lopment, 63, l, 88, pp. 725. The EMBO J. ox Genes," Concepts, Natural Dorsalizing ganizer in Xei	p. 747-75 pp. 109-1 -728 (Malournal, 1 cell, 79, pp. ure, 376, p. g Center,	6 (March 21, 19 125 (1997). 125 (1997). 12:6, pp. 2249-2; 12:6, pp. 2249-2; 12:6, pp. 333-336 (27 12:6, pp. 333-336 (27 13:70 (1):70 (1	256 (1993) cember 2, July 1995 ugust 1990 533-765		
	Moon et al., "Structural Relate Sano et al., "Protocadherins: a Sasai et al., "Xenopus chordin: 1994) Sasai et al., "Regulation of neu Sokol et al., "A Mouse Macrop Smith et al., "Injected Xwnt-8 I (November 15, 1991) Smith et al., "Expression Clonin 840 (September 4, 1992) Vinson et al., "A Drosophila tis March 1989) Vinson et al., "Directional non-co 551 (8 October 1987)	and Receptors and a large family of car A Novel Dorsali. The A Novel Dorsali and induction by the large Factor induction and a large family of car induction and a large family o	Antagonists Compete for Sec adherin-related molecules in a zing Factor Activated by Org the Chd and Bmp-4 antagonis the Chd and Structures and Orga in Xenopus Embryos to Prome New Dorsalizing Factor Loca encodes a protein containing	ty," Mecha- reted Wnt l central nerv ganizer-Spe tic patternia unizes a Boo ote Formati- dized to the g seven pote information	ann Organizer nisms of Deve Ligands," Celi rous system," cific Homeob ng signals in X dy Axis in Xee con of a Veget Spemann Organizer n by the frizzle	"Cell, 88, pp. lopment, 63, l, 88, pp. 725. The EMBO Jo ox Genes," Concepts, Natural Dorsalizing ganizer in Xei mbrane doma	pp. 747-75 pp. 109-1 -728 (Malournal, 1 cell, 79, pp ure, 376, pe, 249, pp g Center, nopus En	125 (1997). 125 (1997). 126, pp. 2249-2; 127 (1997) 12.6, pp. 2249-2; 12.6, pp. 333-336 (27) 12.6, pp. 338, pp. 36	256 (1993) cember 2, 7 July 1995 ugust 1996 553-765 0, pp. 829-		
	Moon et al., "Structural Relate Sano et al., "Protocadherins: a Sasai et al., "Xenopus chordin: 1994) Sasai et al., "Regulation of neu Sokol et al., "A Mouse Macrop Smith et al., "Injected Xwnt-8 I (November 15, 1991) Smith et al., "Expression Clonin 840 (September 4, 1992) Vinson et al., "A Drosophila tis March 1989) Vinson et al., "Directional non-costs (8 October 1987) Wang et al., "A Large Family of Biol. Chem., 271:8, pp. 4468-44	aral induction by the hage Factor induction by the RNA Acts Early in the polarity locus cell autonomy and Putative Transmer 76 (February 23).	Antagonists Compete for Sec adherin-related molecules in a zing Factor Activated by Organe Chd and Bmp-4 antagonists and Organe Chd and Structures and Organe Xenopus Embryos to Promonew Dorsalizing Factor Local encodes a protein containing the transmission of polarity embrane Receptors Homolog	ty," Mecha- reted Wnt I central nerv ganizer-Spe tic patternia unizes a Boo ote Formation dized to the g seven pote information ous to the I	ann Organizer nisms of Deve Ligands," Celi rous system," cific Homeob ng signals in X dy Axis in Xee con of a Veget Spemann Organizer by the frizzle Product of the	"Cell, 88, pp. lopment, 63, l, 88, pp. 725. The EMBO J. ox Genes," Concepts, Natural Dorsalizing anizer in Xei mbrane doma Drosophila I	p. 747-75 pp. 109-1 -728 (Malournal, 1 cell, 79, pp ure, 376, pe, 249, pp g Center, nopus En cosophila,	6 (March 21, 19 125 (1997). 125 (1997). 12:6, pp. 2249-2; 12:6, pp. 2249-2; 12:6, pp. 333-336 (27 12:70, 561-564 (3 Ai 12:70, 764, 765, 765, 765, 765, 765, 765, 765, 765	256 (1993) cember 2, July 1995 ugust 1990 553-765 0, pp. 829-		
	Moon et al., "Structural Relate Sano et al., "Protocadherins: a Sasai et al., "Xenopus chordin: 1994) Sasai et al., "Regulation of neu Sokol et al., "A Mouse Macrop Smith et al., "Injected Xwnt-8 I (November 15, 1991) Smith et al., "Expression Clonii 840 (September 4, 1992) Vinson et al., "A Drosophila tis March 1989) Vinson et al., "Directional non-cost (1987) Wang et al., "A Large Family of Biol. Chem., 271:8, pp. 4468-44 Wang et al., "Frzb, a Secreted Pr	and Receptors and a large family of case A Novel Dorsali. The A Novel Dorsali and induction by the large Factor induction by the large Factor induction and a large factor induction by the large Factor induction by the large Factor induction and a large family and a large	Antagonists Compete for Sec Antagonists and Compete Chd and Bmp-4 antagonists and Compete Figure 1 a	ty," Mecha reted Wnt I central nerv ganizer-Spe tic patternia unizes a Boo ote Formati dized to the g seven pote information ous to the I	ann Organizer nisms of Deve Ligands," Celi rous system," cific Homeob ng signals in Xer ion of a Veget Spemann Organizer n by the frizzle Product of the	"Cell, 88, pp. 10pment, 63, 1, 88, pp. 725- The EMBO J. OX Genes," Concepts, Natural Properties of the Computation of the Compu	p. 747-75 pp. 109-1 pp. 109-1 -728 (Malournal, 1 cell, 79, pp ure, 376, pp e, 249, pp g Center, nopus En sins," Nati	125 (1997). 125 (1997). 126, pp. 2249-2; 127 (1997) 12.6, pp. 2249-2; 12.6, pp. 333-336 (27) 12.6, pp. 333-336 (27) 12.6, pp. 333-336 (27) 12.6, pp. 338-336 (27) 13.6, pp. 70 14.67, pp. 70 15.7, pp. 7	256 (1993) Deember 2, July 1995 Ugust 1990 53-765 0, pp. 829- 63-264 (16 pp. 549- cled, "J. of		
	Moon et al., "Structural Relate Sano et al., "Protocadherins: a Sasai et al., "Xenopus chordin: 1994) Sasai et al., "Regulation of neu Sokol et al., "Regulation of neu Sokol et al., "A Mouse Macrop Smith et al., "Injected Xwnt-8 I (November 15, 1991) Smith et al., "Expression Clonir 840 (September 4, 1992) Vinson et al., "A Drosophila tis March 1989) Vinson et al., "Directional non-cost 1987) Wang et al., "A Large Family of Biol. Chem., 271:8, pp. 4468-44 Wang et al., "Frzb, a Secreted Propaniel et al., "Mapping of Linear of Nine Prediction Algorithms Fe	and Receptors and A large family of cate A Novel Dorsali. The real induction by the large Factor induction by the large Facto	Antagonists Compete for Sec Antagonists Compete for Sec adherin-related molecules in o zing Factor Activated by Org the Chd and Bmp-4 antagonis tes Head Structures and Orga in Xenopus Embryos to Promi New Dorsalizing Factor Loca encodes a protein containing the transmission of polarity tembrane Receptors Homolog 1996) in the Spemann Organizer, Bi ton the S Glycoprotein of a Ne	ty," Mecha reted Wnt I central nerv ganizer-Spe tic patternia unizes a Boo ote Formati dized to the g seven pote information ous to the I	ann Organizer nisms of Deve Ligands," Celi rous system," cific Homeob ng signals in A dy Axis in Xer con of a Veget Spemann Organizer n by the frizzle Product of the nibits Wnt-8," Murine Coron.	"Cell, 88, pp. 10pment, 63, 1, 88, pp. 725- The EMBO J. The Embo J	p. 747-75 pp. 109-1 pp. 109-1 -728 (Malournal, 1 cell, 79, pp ure, 376, pp ure, 376, pp e, 249, pp g Center, nopus En cosophila, rissue Pol 757-766	125 (1997). 125 (1997). 126, pp. 2249-2; 127 (779-790 (Dec 127 (1997) (Dec 128 (1997) (Dec 129	256 (1993) Deember 2, July 1995 Ugust 1990 53-765 0, pp. 829- 63-264 (16 pp. 549- cled, "J. of		
I CO	Moon et al., "Structural Relate Sano et al., "Protocadherins: a Sasai et al., "Xenopus chordin: 1994) Sasai et al., "Regulation of neu Sokol et al., "A Mouse Macrop Smith et al., "Injected Xwnt-8 I (November 15, 1991) Smith et al., "Expression Clonir 840 (September 4, 1992) Vinson et al., "A Drosophila tis March 1989) Vinson et al., "Directional non-cost of the second of the se	and Receptors and a large family of call large family large factor induction by the large	Antagonists Compete for Sec adherin-related molecules in or zing Factor Activated by Organe Chd and Bmp-4 antagonists are Head Structures and Organe Chd and Embryos to Promove Dorsalizing Factor Local encodes a protein containing the transmission of polarity embrane Receptors Homolog 1996) in the Spemann Organizer, Billion the S Glycoprotein of a Nelevant Epitopes and Peptides by, Second Edition, The Benjaron Receptor Second Edition Receptor Second	ty," Mecha reted Wnt I central nerv ganizer-Spe tic patternia unizes a Boo ote Formati dized to the g seven pote information ous to the I must and Information ous to the I Immunoge amin/Cumm	ann Organizer nisms of Deve Ligands," Celi rous system," cific Homeob ng signals in A dy Axis in Xer con of a Veget Spemann Organizer n by the frizzle Product of the nibits Wnt-8," Murine Coronnicity," Vir	"Cell, 88, pp. 10pment, 63, 1, 88, pp. 725- The EMBO J. The Embo J	p. 747-75 pp. 109-1 pp. 109-1 -728 (Malournal, 1 cell, 79, pp ure, 376, pp ure, 376, pp e, 249, pp g Center, nopus En cosophila, rissue Pol 757-766	125 (1997). 125 (1997). 126, pp. 2249-2; 127 (779-790 (Dec 127 (1997) (Dec 128 (1997) (Dec 129	256 (1993) Deember 2, July 1995 Ugust 1990 53-765 0, pp. 829- 63-264 (16 pp. 549- cled, "J. of		
I COMPANY OF THE PROPERTY OF T	Moon et al., "Structural Relate Sano et al., "Protocadherins: a Sasai et al., "Xenopus chordin: 1994) Sasai et al., "Regulation of neu Sokol et al., "A Mouse Macrop Smith et al., "Injected Xwnt-8 I (November 15, 1991) Smith et al., "Expression Clonin 840 (September 4, 1992) Vinson et al., "A Drosophila tis March 1989) Vinson et al., "Directional non- 6551 (8 October 1987) Wang et al., "A Large Family of Biol. Chem., 271:8, pp. 4468-44 Wang et al., "Frzb, a Secreted Pr	large family of ca A Novel Dorsali ral induction by the hage Factor induc- RNA Acts Early in ng of a noggin, a P sue polarity locus cell autonomy and Putative Transme 76 (February 23, rotein Expressed in r Antigenic Sites of ails to Identify Re my and Physiolog	Antagonists Compete for Sec Antagonists Compete for Activated by Organ End Compete Children and End Antagonists Compete for Antago	ty," Mecha- ireted Wnt I central nervice anizer-Spe tic patternia inizes a Boo ote Formation discount to the I information ous to the I inds and Information ous to the I Immunoge amin/Cumm	ann Organizer nisms of Deve Ligands," Celi Ligands	"Cell, 88, pp. 725. The EMBO J. The Embo J	p. 747-75 pp. 109-1 -728 (Mai ournal, 1 -728 (6 (March 21, 19 125 (1997). rch 21, 1997) 2:6, pp. 2249-2; p. 779-790 (Dec pp. 333-336 (27 p. 561-564 (3 Ai " Cell, 67, pp. 7 rbryos," Cell, 70 rture, 338, pp. 26 "Nature, 329, p larity Gene frizz (March 21, 199 Peptides: A Con 49 (1994) . 373, 375, 132,	256 (1993) Exember 2, 7 July 1993 ugust 1990 53-765 0. pp. 829- 33-264 (16 pp. 549- rled, " J. of 7). nbination 985, and		

EXAMINER	
EVAMINED	DATE CONSIDERED
considered Include converte in conformation is in conformation	ance with MPED coo. day if
EXAMINER: Initial if reference considered, whether or not citation is in conformation considered. Include copy of this form for next communication to the Applicant.	and with MFEP 609; draw line through citation if not in conformance and not
Substitute Disclosure Statement 5	